

characterized in that the bridge adapter unit drives the telephone wiring structure according to a Local Area Network (LAN) protocol, translates the public network protocol signals to the LAN protocol, and modulates the signals in a manner to correct signal variations at the end points due to having multiple end points driven from a single point at the bridge adapter unit.

2. (Amended) The networking system of claim 1 further comprising one or more converters connected at individual ones of the end points, the one or more converters comprising each an outlet port to connect to a single-media or a multi-media device, the converters converting the LAN signals to a form required by the single-media or multi-media device.

3. (Amended) The networking system of claim 2 further comprising one or more single-media or multi-media devices connected to one or more of the converters.

4. (Amended) The networking system of claim 3 wherein the single-media and multi-media electronic devices include one or more of telephones, personal computers, fax machines, and televisions running through set top boxes.

7. (Amended) A method for implementing a networking system, comprising the steps of:

(a) delivering public network protocol signals to the level of a home or business site;

(b) installing a bridge adapter unit having an inlet port for the public network protocol signals at the site;

(c) connecting a telephone wiring structure having multiple end

points and one or more junctions, at a single point to an outlet port of the bridge adapter unit;

(d) driving the telephone wiring structure according to a Local Area Network (LAN) protocol by the bridge adapter unit, translating the public network protocol signals into the LAN protocol; and

(e) modulating the signals in a manner to correct variations at the end points due to having multiple end points driven from the single point at the bridge adapter unit.

8. (Amended) The method of claim 7 comprising a further step installing one or more converters connected at individual ones of the end points, the one or more converters comprising each an outlet port to connect to a single-media or a multi-media device, the converters converting the LAN signals to a form required by the single-media or multi-media device.

9. (Amended) The method of claim 8 wherein, in the further step, the single-media or multi-media devices include one or more of telephones, personal computers, fax machines, and televisions running through set-top boxes.

14. The networking system of claim 3 wherein individual ones of the converters are integrated into individual ones of the single-media or multi-media devices.

15. The networking system of claim 3 wherein individual ones of the converters are internal modules of individual ones of the single-media or multi-media devices.

16. The method of claim 8 wherein individual ones of the converters are

integrated into individual ones of the single-media or multi-media devices.

17. The method of claim 8 wherein individual ones of the converters are internal modules in individual ones of the single-media or multi-media devices.